



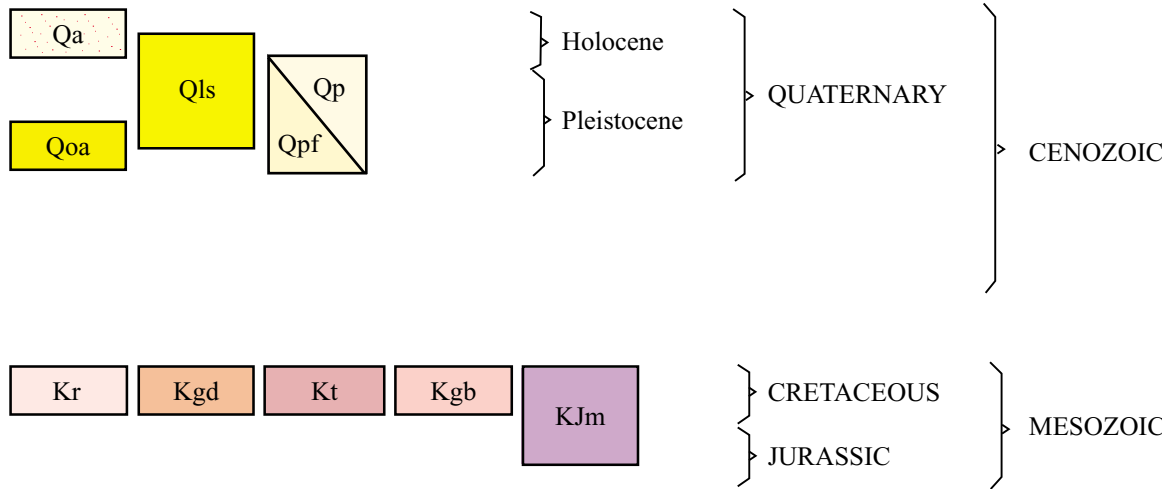
GEOLOGIC MAP OF THE TEMECULA 7.5' QUADRANGLE SAN DIEGO AND RIVERSIDE COUNTIES, CALIFORNIA: A DIGITAL DATABASE VERSION 1.0

By
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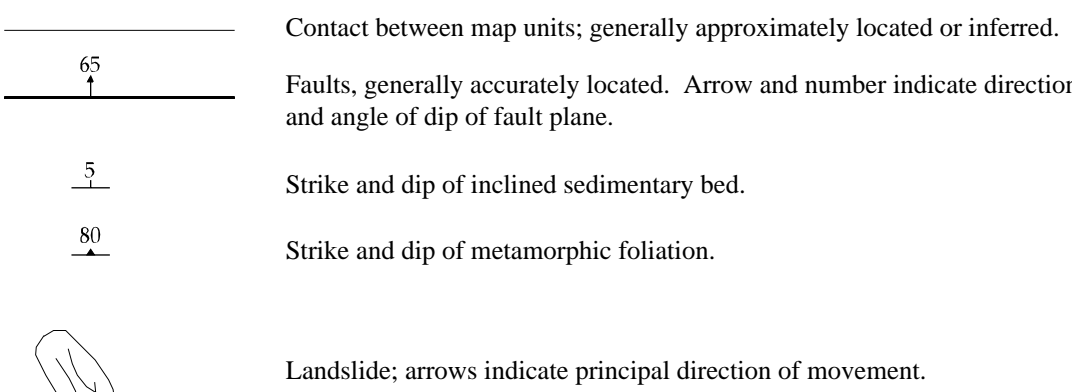
Digital Database
by
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2000

1. California Division of Mines and Geology, Los Angeles, CA
2. U. S. Geological Survey, Riverside, CA

CORRELATION OF MAP UNITS



MAP SYMBOLS



EXPLANATION OF MAP UNITS

MODERN SURFICIAL DEPOSITS - Sediment that has been recently transported and deposited in channels and washes, on surfaces of alluvial fans and alluvial plains, and on hillslopes and in artificial fills. Soil-profile development is non-existent. Includes:

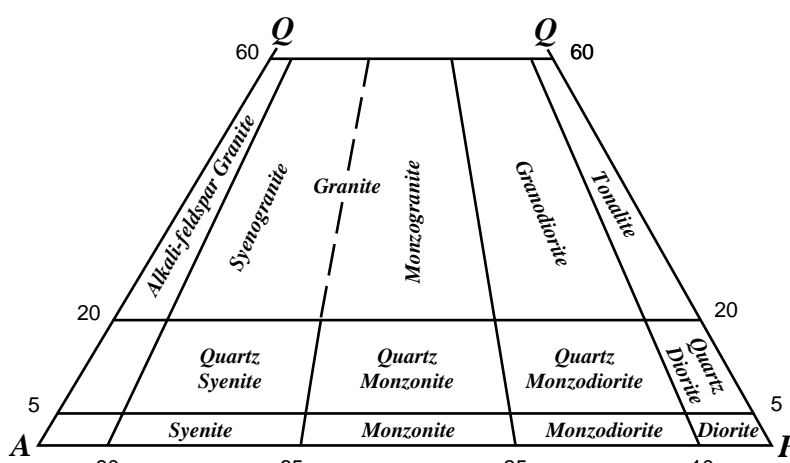
- Qa** Active alluvial flood plain deposits (late Holocene) - Unconsolidated to locally poorly consolidated sand and gravel deposits in active alluvial flood plains.
- Qls** Landslide deposits (Holocene to Pleistocene) - Landslide slump and rock fall deposits.
- Qoa** Older alluvial flood plain deposits (Pleistocene, younger than 500,000 years) - Mostly moderately well consolidated, poorly sorted, permeable flood plain deposits.
- Qp** Pauba Formation sandstone facies (Pleistocene) - Light-brown moderately well-indurated, extensively crossbedded, channelled and filled sandstone and siltstone that contains occasional intervening cobble-and-boulder conglomerate beds.
- Qpf** Pauba Formation fanglomerate facies (Pleistocene) - well-indurated poorly sorted sedimentary breccia and mudstone.

BEDROCK UNITS

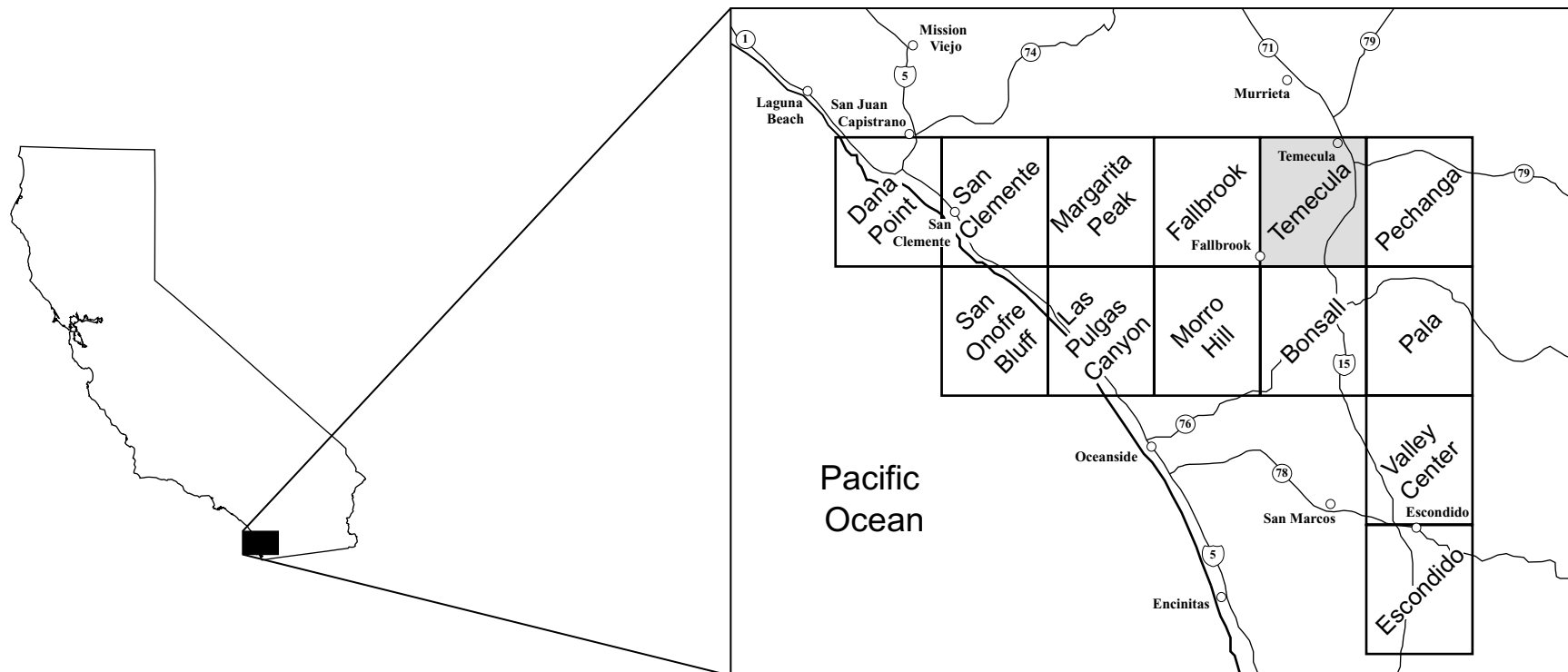
- Kr** Granodiorite of Rainbow (Cretaceous) - Leucocratic hornblende-biotite granodiorite; medium to coarse grained, massive.
- Kgd** Granodiorite undivided (Cretaceous) - Mostly hornblende-biotite granodiorite; coarse to medium grained.
- Kt** Tonalite undivided (Cretaceous) - Mostly hornblende-biotite tonalite; coarse grained, light gray.
- Kgb** Gabbro undivided (Cretaceous) - Mostly biotite-hornblende-hypersthene gabbro; coarse grained, dark gray, massive.
- Kjm** Metavolcanic and metasedimentary rocks undivided (Cretaceous and Jurassic) - Low grade (greenschist facies) rocks that are in part coeval with and in part older than the Cretaceous plutonic rocks they lie in contact with.

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Classification of plutonic rock types (from IUGA, 1973, and *Streckeisen, 1973).
A, alkali feldspar; P, plagioclase feldspar; Q, quartz.
*Streckeisen, A.L., 1973. Plutonic rocks—Classification and nomenclature by the IUGA Subcommission on Systematics of Igneous Rocks: Geotitles, vol.18, p.26-30.



This geologic map was funded in part by the
U.S. Geological Survey National Cooperative
Geologic Mapping Program, STATEMAP
Award no. 99HQAG0134.

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